

ABSTRACT OF THE DISCLOSURE

A method and apparatus aims at generating uniform images of an active matrix OLED display device which comprises a plurality of pixel devices. Each of the pixel devices includes a driver unit to drive an OLED to display. The cathode of the OLED connects to a positive power supply which provides a voltage to increase the electric potential of the OLED and reduce the voltage difference between the source electrode and the drain electrode (V_{sd}) of the driver unit during operation and keep the voltage different between the source electrode and the gate electrode (V_{sg}) unchanged so that output current fluctuations of the driver unit decreases while the driver unit is ON when the threshold voltages are different due to characteristic variations of the driver unit.